

DIAGNOSES OF PEPEROMIA SPECIES (PIPERACEAE)
HAWAIIAN PLANT STUDIES 164

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The genus Peperomia is well represented in Hawaii. The basic local treatment, one by Yuncker (1933), accepted 38 species and 25 varieties to which 6 species have been added by St. John and 2 varieties by Degener and Degener. Most of the Peperomia plants occur in the wooded areas, mostly in the rain forests.

The new type specimens are placed in the Bishop Museum, Honolulu.

Peperomia epihippii sp. nov. Turiones prostrati sunt, ramis 5-10 cm longis hirtellis, foliis 2-3 in nodis, petiolis 2-7 mm longis hirtellis, laminis 7-15 X 5-12 mm suborbicularibus supra glabris infra hirsutis, spicis 2-3.2 cm longis, pedunculo 8-12 mm longo hirtello, bracteis 0.4-0.6 mm diametro, ovariis 2 et 0.5 mm longis. Typus: Hawaii I., Puu Huluhulu, H. St. John 25,347.

P. hanaensis sp. nov. Planta 15 cm alta hirtella est, foliis 3-5-verticillatis, petiolis 2-4 mm longis, laminis 9-15 X 5-9 mm obovatis l-nervosis, spicis 2.2 cm longis, pedunculo 8 mm longo glabro, bracteis 0.4 mm diametro. Typus: Maui I., Waihoi, B. Harrison 575A.

P. minutilimba (Yuncker) comb. nov.

P. Cookiana C. DC., var. minutilimba Yuncker, Bull. Bishop Mus. 112: 67, 1933.

P. muscorum sp. nov. Turiones repentes sunt, ramis 10-11 cm altis, foliis 3-verticillatis, petiolis 6-9 mm longis hirtellis, laminis 9-18 X 6-9 mm spatulati-oblancoelatis supra glabris infra midnervo puberulis spicis 0.5-2 cm longis, pedunculo 6 mm longo glabro, bracteis 0.3-0.4 mm diametro, ovariis 0.2 mm longis globosis. Typus: Maui I., Nahiku, H. St. John & R. J. Catto 17,963A.

P. nahikuensis sp. nov. Fig. 1. Turiones repentes sunt, ramis 15-20 cm altis hirtellis, foliis 3-4-verticillatis, petiolis 4-7 mm longis hirtellis, laminis 5-13 X 4-10 mm suborbicularibus vel obovatis l-3-nervosis supra glabris infra hirtellis, spicis 7-17 mm longis. Typus: Maui I., Nahiku, H. St. John & R. J. Catto 17,963.

P. Woolfordii sp. nov. Fig. 2. Planta diffusa est, ramis 9-16 cm longis hirtellis, foliis oppositis, petiolis 2-6 mm longis hirtellis, laminis 8-13 X 6-12 mm ellipticis vel suborbicularibus puberulis 3-nervosis, spicis 2-2.5 cm longis, pedunculo 12 mm longo hirtellis, bracteis 0.3 mm diametro, fructibus 0.5 mm longis ellipsoideis glauculose punctatis rostro bifido. Typus: Maui I., Ukumehame Gulch, H. St. John et al. 25,745.

Literature Cited

Yuncker, Truman George, 1933. Revision of the Hawaiian Species of Peperomia. Bull. Bishop Mus. 112: 1-131, figs. 1-38.

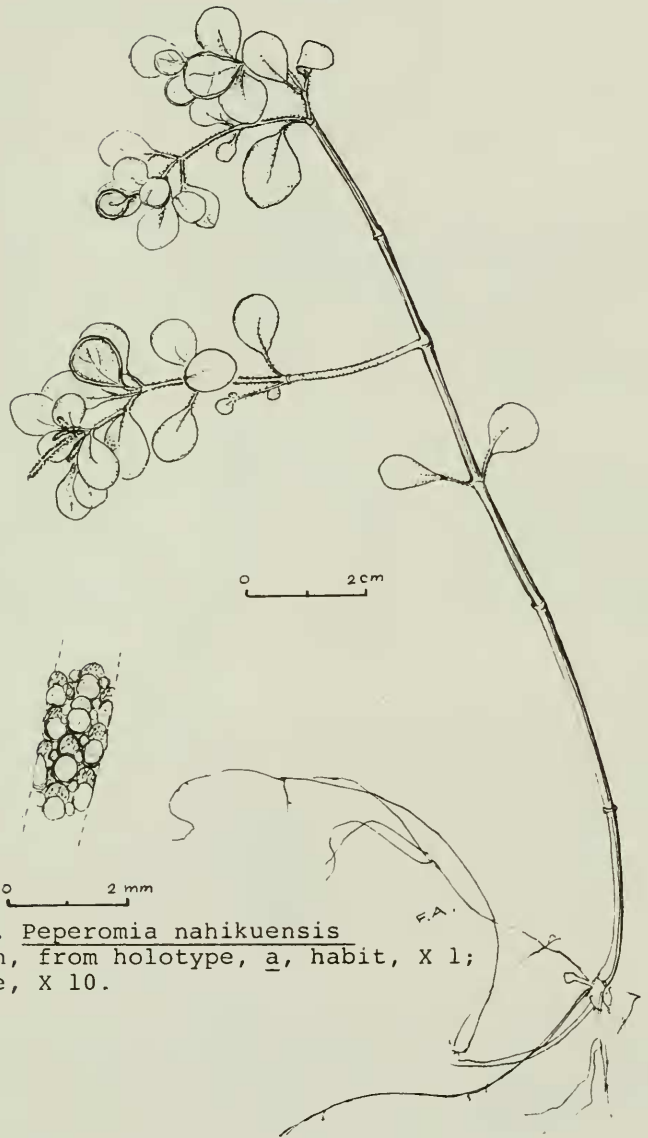


Fig. 1. *Peperomia nahikuensis*
St. John, from holotype, a, habit, X 1;
b, spike, X 10.

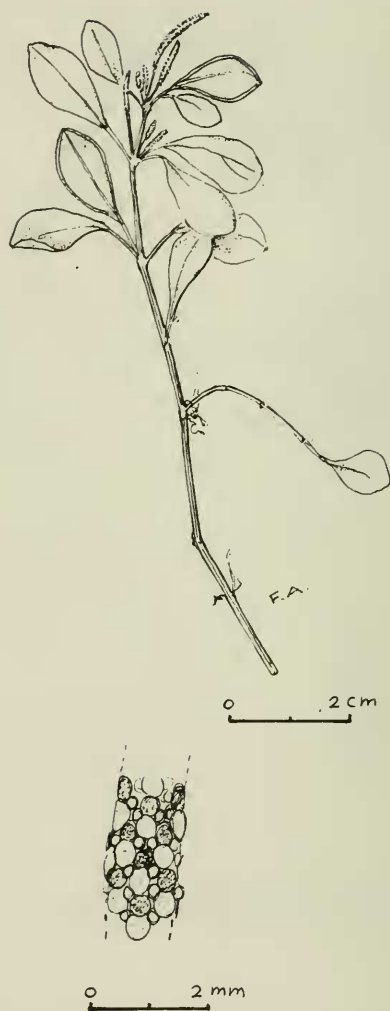


Fig. 2. *Peperomia Woolfordii* St. John, from holotype. a, habit, X 1; b, spike, X 10.